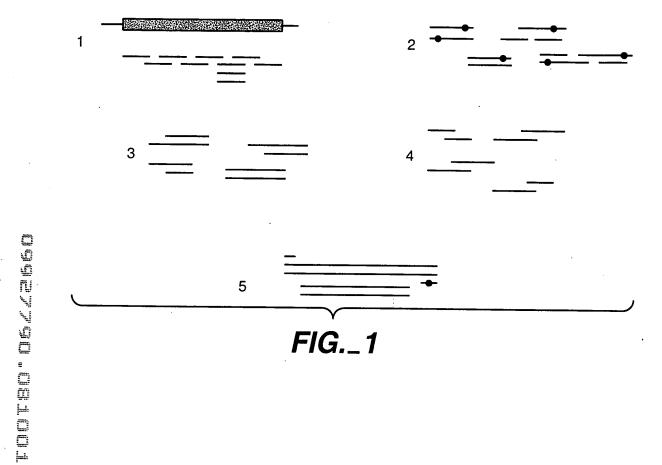
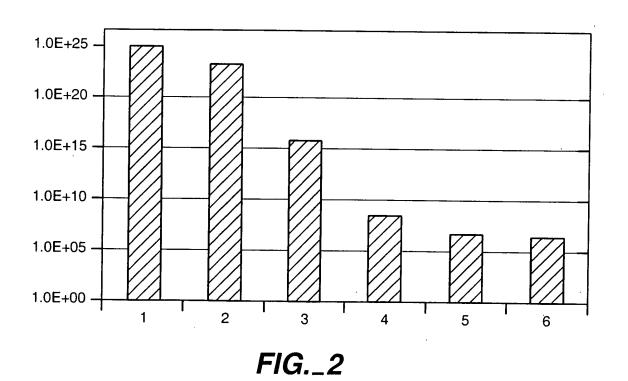
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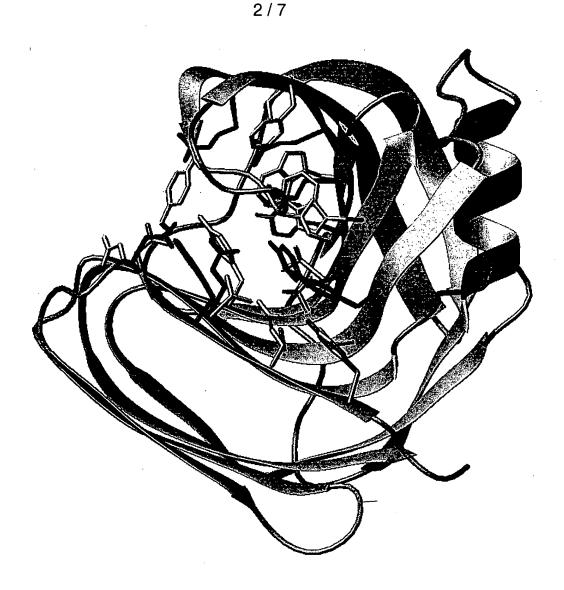


FIG._3

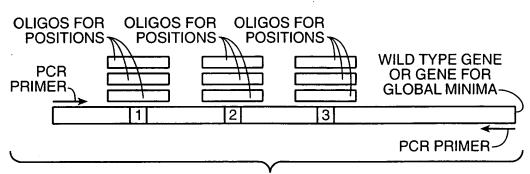
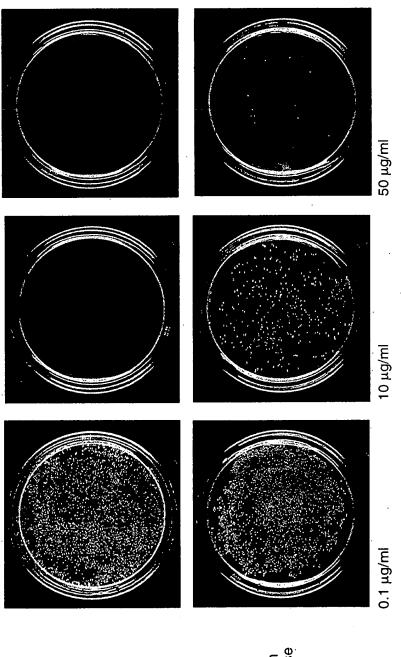
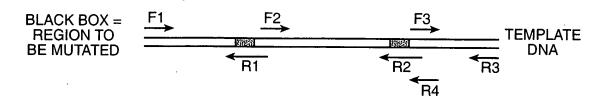


FIG._5



PDAScreen 35x increase



STEP 1: SET UP 3 PCR REACTIONS:

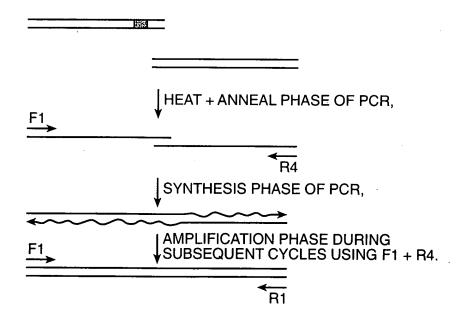
PRODUCTS:

TUBE 1:

TUBE 2:

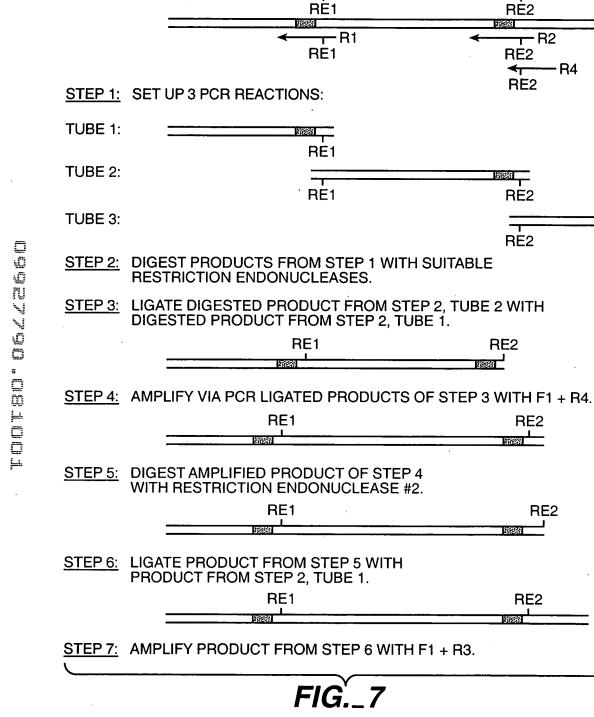
TUBE 3: _____

STEP 2: SET UP PCR REACTION WITH PRODUCTS OF TUBE 1 + PRODUCTS TUBE 2 + F1 + R4.



STEP 3: REPEAT STEP 2 USING PRODUCT FROM STEP 2 + PRODUCT FROM STEP 1, TUBE 3 + PRIMERS F1 + R3.

F2



F1

F1 F2 DIAGRAM 3

R1 R2 R3

FIG. 8

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1

R3

> FIG._9B

DGGEZZGO DE1OC1

Amplification Scheme Based on M13 Single Stranded Template

rogression	with Increasing PCR Cycles
Numerical Pa	with

										,										
Percent Desired Product in Total Product		%00:0	25.00%	20.00%	68.75%	81.25%	%90.68	93.75%	96.48%	%50'86	%86.86	99.41%	%89.66	%8.83%	99.91%	%96.66	%26.66	%66'66	%66'66	100.00%
Undesired Products and Residual Template	1	2	င	4	, 5	9	2	8	6	10	11	12	13	14	15	16	47	18	19	02
Desired		0	-	4	11	26	22	120	247	505	1013	2036	4083	8178	16369	32752	62219	131054	262125	524268
PCR Cycles	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20

	PCR Cycle5	
Undesired Product (4)	Desired Product < (11)	Undesired Residual Template + Product (1)